IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1-8. (Canceled)

9. (Currently Amended) An information process apparatus that manages data recorded on a record medium, the data being composed of a header and a body, the information process apparatus comprising:

reproduction information obtainment means for obtaining reproduction information necessary to reproduce the data when the body is recorded;

data generation means for generating the header according to the reproduction information obtained by the reproduction information obtainment means and adding the header to the body so as to generate the data;

header information obtainment means for obtaining header size information of the data generated by the data generation means;

management file generation means for generating a first management file that manages each clip of data that compose the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip, the first management file describing the reproduction information of data that compose the clip obtained by the reproduction information obtainment means and the header size information of each type of essence data of

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each clip obtained by the header information obtainment means ~~for each clip~~, each clip being a predetermined structural unit of data; and

management file registration means for registering management information of the clip, the management information being composed of the reproduction information of data that compose the clip and the header size information to a second management file that totally manages the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip and information that represents the recorded position of data that compose the clip.

10. (Previously Presented) The information process apparatus as set forth in claim 9, further comprising:

first data information obtainment means for obtaining the header size information of data that compose the clip from the first management file generated by the management file generation means;

second data information obtainment means for obtaining the header size information of data that compose the clip from the second management file in which management information of the clip is registered by the management file registration means; and

reproduction means for reproducing data that compose the clip from the position of which the header size is removed from the beginning of the data according to the header size information obtained by the first or second data information obtainment means.

11. (Previously Presented) The information process apparatus as set forth in claim 9, further comprising:

first data information obtainment means for obtaining the header size information of data that compose the clip from the first management file generated by the management file generation means;

second data information obtainment means for obtaining the header size information of data that compose the clip from the second management file in which management information of the clip is registered by the management file registration means; and

successive reproduction means for successively reproducing data that compose all clips recorded on the record medium from the position of which the header size is removed from the beginning of the data according to the header size information obtained by the first or second data information obtainment means.

12. (Currently Amended) An information process method of managing data recorded on a record medium, the data being composed of a header and a body, the information process method comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the body is recorded;

generating the header according to the reproduction information obtained by a process of the reproduction information obtainment step and adding the header to the body so as to generate the data;

obtaining header size information of the data generated by a process of data generation step;

generating a first management file that manages each clip of data that compose the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip, the first management file describing the reproduction information of data that compose the clip obtained by a process of the reproduction information obtainment step and the header size information of each type of essence data of each clip obtained by a process of the header information obtainment step for each clip, each clip being a predetermined structural unit of data; and

registering management information of the clip, the management information being composed of the reproduction information of data that compose the clip and the header size information to a second management file that totally manages the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip and information that represents the recorded position of data that compose the clip.

13. (Currently Amended) A non-transitory computer-readable recording program record medium storing a program that when executed on a computer causes on which a computer readable program is recorded, the program causing the computer to execute an information process that manages data recorded on a record medium, the data being composed of a header and a body, the information process the program comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the body is recorded;

generating the header according to the reproduction information obtained by a

process of the reproduction information obtainment step and adding the header to the body so as

to generate the data;

obtaining header size information of the data generated by a process of data

generation step;

generating a first management file that manages each clip of data that compose

the clip recorded on the record medium with an identifier that uniquely identifies data that

compose the clip, the first management file describing the reproduction information of data that

compose the clip obtained by a process of the reproduction information obtainment step and the

header size information of each type of essence data of each clip obtained by a process of the

header information obtainment step for each clip, each clip being a predetermined structural unit

of data; and

registering management information of the clip, the management information

being composed of the reproduction information of data that compose the clip and the header

size information to a second management file that totally manages the clip recorded on the

record medium with an identifier that uniquely identifies data that compose the clip and

information that represents the recorded position of data that compose the clip.

14. (Currently Amended) A program embodied in a non-transitory computer-

readable medium that when executed on causing a computer to execute causes an information

process that manages data recorded on a record medium, the data being composed of a header

and a body, the information process said program comprising the steps of:

obtaining reproduction information necessary to reproduce the data when the body is recorded;

generating the header according to the reproduction information obtained by a process of the reproduction information obtainment step and adding the header to the body so as to generate the data;

obtaining header size information of the data generated by a process of data generation step;

generating a first management file that manages each clip of data that compose the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip, the first management file describing the reproduction information of data that compose the clip obtained by a process of the reproduction information obtainment step and the header size information of each type of essence data of each clip obtained by a process of the header information obtainment step for each clip, each clip being a predetermined structural unit of data; and

registering management information of the clip, the management information being composed of the reproduction information of data that compose the clip and the header size information to a second management file that totally manages the clip recorded on the record medium with an identifier that uniquely identifies data that compose the clip and information that represents the recorded position of data that compose the clip.

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